

CLAIMS

1. A weighted fluid extraction tube, comprising:
 - a fluid extraction tube having a fluid delivery end and a fluid pick-up end, wherein the fluid delivery end is configured for being attached to a body in a manner enabling fluid to be extracted from within a fluid container and dispensed via the body; and
 - 5 a weighting element attached to the fluid extraction tube adjacent to the pick-up end of the fluid extraction tube, wherein the weighting element provides for displacement of the pick-up end of the fluid extraction tube to a gravity-induced position within the fluid container.
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2. The weighed fluid extraction tube of claim 1 wherein the fluid extraction tube extends approximately through a center of mass of the weighting element.
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3. The weighed fluid extraction tube of claim 1 wherein the weighting element includes a metallic threaded nut.
4. The weighed fluid extraction tube of claim 3 wherein the fluid extraction tube extends approximately through a center of mass of the metallic threaded nut.
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5. The weighed fluid extraction tube of claim 1 wherein:
 - the weighting element includes a bracket attached to the fluid extraction tube and a weight attached to the bracket; and
 - 25 a center of mass of the weight is offset from a longitudinal axis of the fluid extraction tube.
6. The weighed fluid extraction tube of claim 1 wherein:
 - the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

7. A fluid extraction assembly, comprising:
 - a body mountable on a neck portion of a fluid container;
 - a fluid extraction tube attached at a delivery end thereof to the body, wherein the fluid extraction tube is attached in a manner enabling fluid to be extracted from within the fluid container and dispensed via the body; and
 - a weighting element attached to the fluid extraction tube adjacent to a pick-up end of the fluid extraction tube, wherein the weighting element provides for displacement of the pick-up end of the fluid extraction tube to a gravity-induced position within the fluid container.
8. The fluid extraction assembly of claim 7 wherein the fluid extraction tube extends approximately through a center of mass of the weighting element.
9. The fluid extraction assembly of claim 7 wherein the weighting element includes a metallic threaded nut.
10. The fluid extraction assembly of claim 9 wherein the fluid extraction tube extends approximately through a center of mass of the metallic threaded nut.
11. The fluid extraction assembly of claim 7 wherein:
 - the weighting element includes a bracket attached to the fluid extraction tube and a weight attached to the bracket; and
 - a center of mass of the weight is offset from a longitudinal axis of the fluid extraction tube.
12. The fluid extraction assembly of claim 7 wherein:
 - the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

5 13. The fluid extraction assembly of claim 7 wherein the body is one of a body for a manual pump non-atomizing fluid dispenser, a body for a manual pump atomizing fluid sprayer, a body for an aerosol spray dispenser and a body for a hose-end sprayer.

14. A fluid dispensing apparatus, comprising:

a fluid container having a neck portion and a closed end generally opposite the neck portion;

5 a body mounted on the neck portion of the fluid container;

a fluid extraction tube attached at a delivery end thereof to the body, wherein the fluid extraction tube is attached in a manner enabling fluid to be extracted from within the fluid container and dispensed via the body; and

10 a weighting element attached to the fluid extraction tube adjacent to a pick-up end of the fluid extraction tube, wherein the weighting element provides for displacement of the pick-up end of the fluid extraction tube to a gravity-induced position within the fluid container.

15. The fluid dispensing apparatus of claim 14 wherein the fluid extraction tube extends approximately through a center of mass of the weighting element.

16. The fluid dispensing apparatus of claim 14 wherein the weighting element includes a metallic threaded nut.

17. The fluid dispensing apparatus of claim 16 wherein the fluid extraction tube extends approximately through a center of mass of the metallic threaded nut.

18. The fluid dispensing apparatus of claim 14 wherein:

the weighting element includes a bracket attached to the fluid extraction tube and a weight attached to the bracket; and

25 a center of mass of the weight is offset from a longitudinal axis of the fluid extraction tube.

19. The fluid dispensing apparatus of claim 14 wherein:

the fluid extraction tube is flexible; and

a degree of flexibility of the fluid extraction tube is dependent upon a particular mass of the weighting element and a maximum specified displacement of the pick-up end of the fluid extraction tube.

5 20. The fluid dispensing apparatus of claim 14 wherein the body is one of a body for a manual pump non-atomizing fluid dispenser, a body for a manual pump atomizing fluid sprayer, a body for an aerosol spray dispenser and a body for a hose-end sprayer.